

FieldWorker: Software Applications for **Mobile Computing**



Ease of Use

The application consolidates information from electronic forms, GPS, digital photos and maps and presents them to the user in a format that is easy to understand and use.

Improves Field Maintenance

Updates to the application can occur automatically as soon as the handheld device logs onto the system. This eliminates the need to bring handheld devices in from the field and manually upgrade the data collection applications on each individual handheld device.

Faster Field Data Distribution

Electronically sending only the field data that has been changed to multiple systems eliminates the need to re-key data.

Is FieldWorker right for you?

As a free service*, FieldWorker suggests you e-mail or fax us sample copies of your paper forms. We'll create their mobile electronic forms equivalents in a matter of days. Test your new mobile electronic forms with FieldWorker's free demo software and "Try before you buy".

*For customers considering purchasing 10 or more units.

Mobile Application Development

FieldWorker has developed over one hundred mobile data collection applications servicing over thirty different vertical markets. www.FieldWorker.com

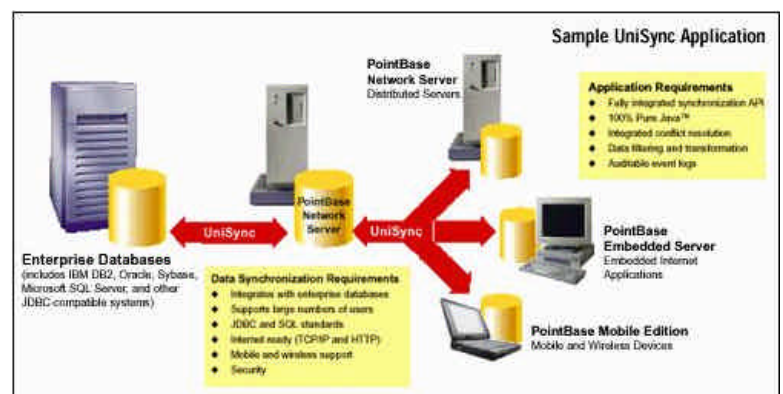
If we don't already have a pre-configured mobile application for your market, our RAD development tool allows us to design, develop and implement new mobile applications in WEEKS as opposed to the months or years required for custom VB, C++, or Java application development.

Speed of Data Collection

Paper forms are eliminated because data is captured electronically. This significantly speeds the collection and distribution of the field data.

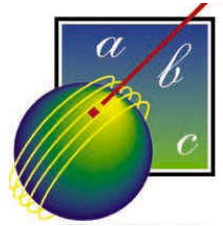
Reduces Errors:

Because the field data is captured and distributed electronically, data no longer needs to be copied from multiple forms to multiple systems, thus data transcription errors are almost completely eliminated.

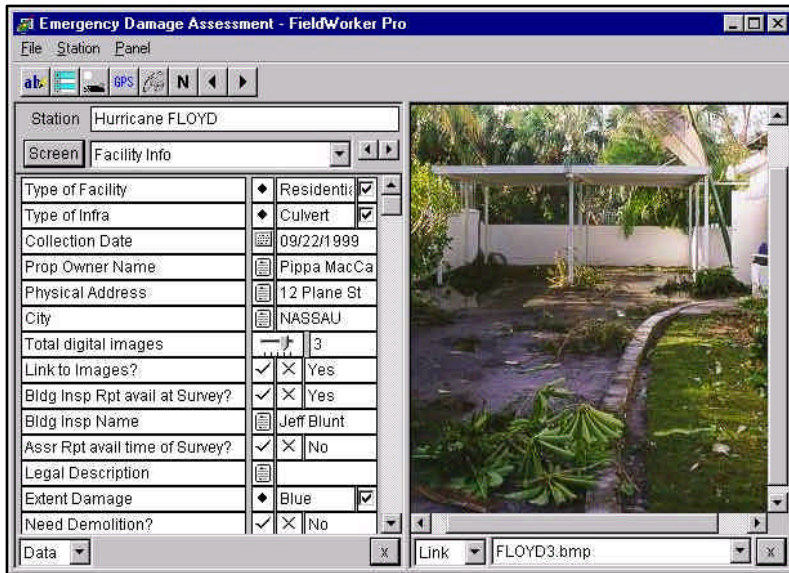


Connectivity

FieldWorker can connect to almost any local or remote host database using a standard docking cradle, modem, or wireless service. Update data using a replication engine based on ODBC and SQL. FieldWorker can run as a client or as an applet in a web browser.



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Data Panel

Each data panel represents a logical grouping of data gathering questions that have been defined according to project requirements.

Select from 14 different field types including formulas, nested pick lists, checkboxes, number sliders, time and date. As well as data fields for sketches, signatures, barcode, etc.

Reference Panel

Choose all the images you need to associate with a project. Images such as digital pictures, diagrams, or written instructions for field data collectors can be used as graphic references.

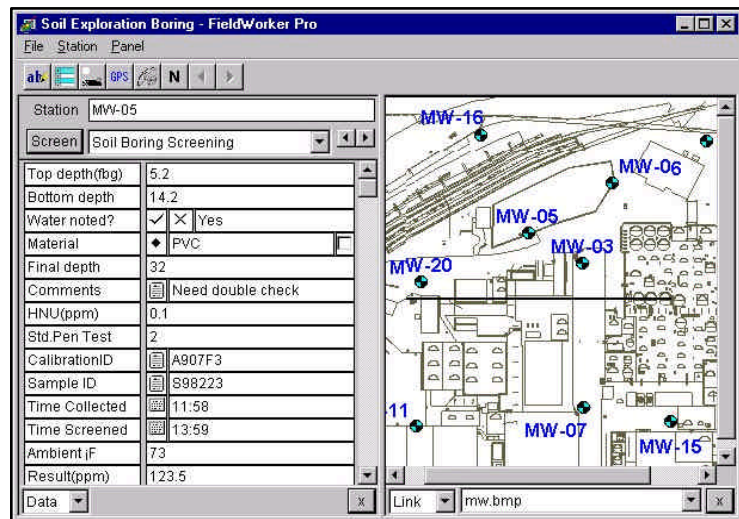
Customized panels can be added using FieldWorker's Java Software Developers Kit.

Map Panel

Use the cursor to navigate around a map. Display point, line and polygon features using a default map orientation. Set map scale to meet special requirements. Label features with the system defined recorded numbers or with the data from any user defined data field.

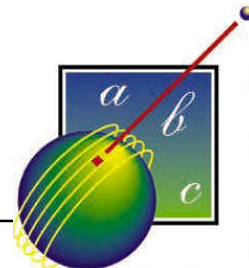
GPS Panel

Capture locations as points, lines or polygons. Choose between 5 different GPS acquisition techniques and 2 offset techniques, for use with laser or manual measurement. Navigate to a location using a compass type display. Display position information in northing/easting or latitude/longitude and choose from all datum/projection options offered by Blue Marble Geocalc.



Mobile Device Support

FieldWorker will run on almost any device running Windows CE, EPOC32, Windows 95/98/NT/2000 and also devices running pure Java. A sample list of devices would be: Intermec 700 Stingray (www.Intermec.com), Symbol PPT2700 (www.Symbol.com), Fujitsu Pen Centra 200 (www.Fujitsu.com), Casio EG-800 (www.casio.com), Compaq iPaq (www.compaq.com), HP Jornada (www.hp.com/Jornada), Psion netPad (www.psionteklogix.com), Via wearable PC (www.via.com), Tadpole (www.tadpole.com).



How Can I Use FieldWorker? Precision Agriculture

To help illustrate how you can use FieldWorker software, we've included sample screenshots from projects incorporating some basic requirements in various industries: Precision Agriculture, Geology and Mining, Conservation, Oil and Gas, Asset Management, Utilities, Public Works, Forestry, Environmental/Biological research and more...

If you have any questions regarding any of these projects or would like to discuss uses specific to your application, please contact us at Sales@fieldworker.com

Tel: 905-880-9395

Toll: 888-883-1902

Precision Agriculture

- Field Scouting
- Crop Management
- Insurance Claims

FW Customers:

- Cargill
- Agrium
- Oregon Department of Agriculture

And more ...

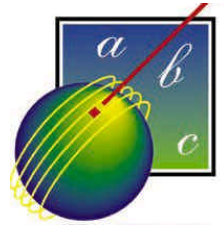
A screenshot of the FieldWorker software interface. The interface is divided into several sections. On the left, there is a form with fields for 'Station' (CP9873), 'Screen' (Information), 'Field' (Smith J.), 'Walk #' (12), 'Date' (6/7/1999), 'From' (Sepertine Walk), and 'Weather Con' (Cloudy: Cool: Rainy). Below the form is a 'Data' dropdown menu. On the right, there is a photo gallery showing four images of plant leaves. At the bottom, there is a 'Link' dropdown menu with 'plants.gif' selected.

Quotes:

"As a farm management advisory service in Eastern North Carolina, we have been working towards development of an in field handheld device for gathering information. After much research and inquiry we decided that FieldWorker had the capability and programmability that we needed to fulfill our needs. We are unique in that our average field size is very small in comparison, and that waterways and forests surround many of the areas in which we work.

"We work on over 3500 fields, record a variety of growth parameters, and do numerous calculations. At this point, in our trials of FieldWorker, we think that it has great possibilities for handling our needs. If so, we anticipate being able to reduce our in-season temporary work force substantially, which is 25-30 people, increase efficiency, improve the quality of the information we give our growers, and contribute strongly to the reduction of environmental impact from agriculture."

-Wallace Williams - Information Systems Manager
McLawhorn Crop Services, Inc. Farm Management Advisory Specialists



Geology and Mining

How Can I Use FieldWorker? Geology and Mining

- Mineral Exploration
- Soil Quality Analysis
- Monitor Well
- Bore Hole Drilling

Station	HG-865		
Screen	Lithology		
Rock Number	19		
Rock Type	Gabbro		
Clr Weath	white		
Clr Fresh	white		
Describe	volcanoclastic		
Comments			
Data	Rock Number		Link pathfinder.jpg

FW Customers:

- Barrick Gold
- Cominco
- Golden Tiger Resources (Australia)
- Australian Geological Survey
- Inco Mining
- US Geological Survey
- Geological Survey of Finland
- BHP Minerals
- WMC Resources Ltd.
- Cameco Gold
- Royal Oak Mines
- Noranda
- University of New Orleans
- Geological Survey of Canada

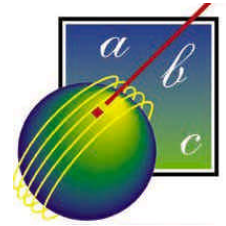
And more...

Quotes:

"Another study was conducted using the FieldWorker software system. In this study a coastal landslide was investigated. Surveying was attempted using the FieldWorker system without differential GPS. The data points collected were scattered and often times out of place when referenced to the relative location of real structures. These results can be attributed to the noise introduced into the system by the Department of Defense. Although the results were not adequate for a study of this scale, the introduction of differential GPS in conjunction with the FieldWorker mapping system should provide results detailed enough to be used on this scale."

Dr Neil Rogers , Geological Survey of Canada

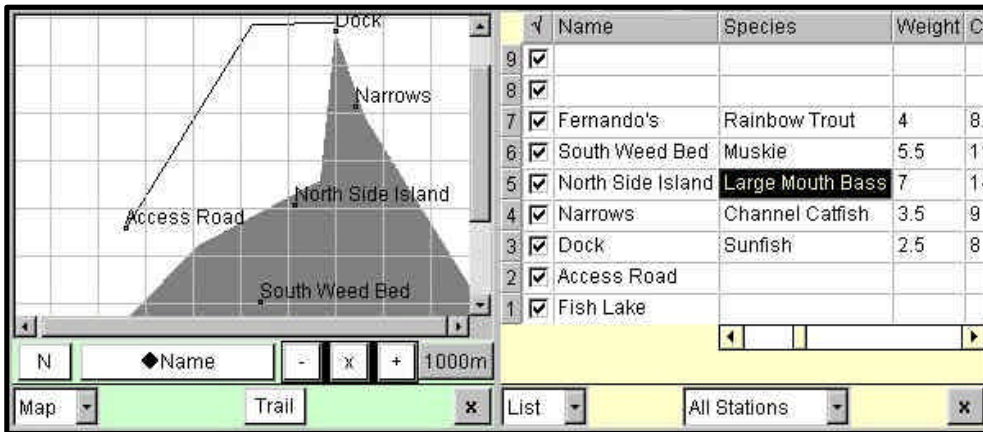
"Thanks for all the help integrating Fieldlog with FieldWorker!" says Dr. Rob Harrap, Digital Data Manager, Dept. Geological Sciences, Queens University. "FieldWorker was a big hit with my clients, they couldn't believe how easy it was to use!"



Environment and Conservation

How Can I Use FieldWorker? Environmental and Conservation

- Wetlands Delineation
- Emergency Watershed Protection
- Cultural Site Surveys
- Fish and Wildlife Inventory
- Forestry Management and Inventory
- River/stream Management



FW Customers:

- National Wetlands Research Center
- US Fish and Wildlife Service
- National Marine Fisheries Service
- Dept of the Environment (New Brunswick and British Columbia)
- Louisiana Department of Environmental Quality
- National Avian Research
- University of Arizona
- University of California
- US Fish and Wildlife
- US Forestry Service
- USDA Natural Resources
- Vermont Land Trust
- NOAA

And more...

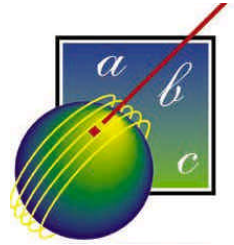
Quotes:

"I am contracting my services as a stream technician to a nonprofit organization involved with mapping and inventorying streams and wetlands in the Alberni Valley. The primary objective is to map and inventory all of the streams and wetlands and make the information available to federal, provincial and municipal land planners to aid them in making better land use decisions. Anyone who has worked with government topography maps know how often small streams and wetlands are not shown. We intend to place all of the small streams and wetlands that are not represented on the existing maps on our maps at a 1:5000 scale. This work is very labor intensive involving many hours of ground truthing, entering field data, drawing the maps and then walking the mapped streams a second time to insure accuracy.

There are literally hundreds of the small unmapped streams within the Alberni Valley and like most nonprofit organizations we have limited funding. Any equipment that can assist in increasing production is an asset. The FieldWorker 2.3 software has made our mapping and inventory project much easier and has increased our production. Our field crew works 5 days per week, we record hundreds of entries every day on our Mobile Computer. Prior to the purchase of the Mobile Computer and the Field worker 2.3 software we would spend on average 1.5 hrs each day entering the stream data manually into our Database. Now that we are using the FieldWorker software we upload the data into Database in less than 2 minutes. The FieldWorker software has proven to be a great asset to our program. The software is easy to use and has saved our organization many hours of work by reducing the time involved with data management in the field and in the office. I would recommend this software to any company or organization involved with collecting data in the field.

PS. "Not having to manually enter our data into the Database is like being on a vacation."

-Darryl Rigets, Project Coordinator , Alberni Valley Enhancement Association



Asset Management

How Can I Use FieldWorker? Asset Management

- Construction Inspection Reports
- Sign/Infrastructure Inventory
- Best Management Practices
- Storm Water Inventory
- Code Enforcement
- Vehicle Tow Reports

FW Customers:

- Minnesota Power and Light
- Atomic Energy of Canada
- Los Angeles Department of Public Works
- North Kentucky Area Planning Commission
- City of Garland (Texas) Health Department
- California DOT
- Arizona DOT
- Arizona Electric Power
- Hennepin County Dept Public Works

And more...

Station	1232565
Screen	Infrastructure
Type	<ul style="list-style-type: none">◆ Sewer◆ Water Features◆ Lighting Features◆ Sign Features◆ Telephone Pole
I.D. Number	876
Map Number	122
Condition	POOR
Maintenance	<input checked="" type="checkbox"/> Yes
Data	Type
Link	hydrants1.jpg

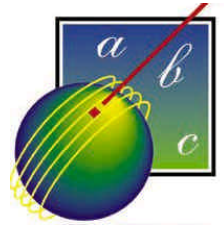
Quotes:

"In all we cut about two weeks of data transcription down to one week, all of which was accomplished in the field, and we were analyzing the data within days of the field trip. By contrast the last time we did one of these surveys it took weeks to just get the data in a form to get top-of-the-line results out of the observations. We cut time off the field work, the data entry and the analysis time. We figure this survey cost us half as much as the previous one - those savings were in large part due to FieldWorker." Mark McKenney, BRinC (Waste Management)

"We can't use enough superlatives to describe the impact FieldWorker Pro software has made on our data collection projects. In some cases it simply made the project possible... The more we use FieldWorker Pro, the more uses we find for it. It is so easy to use that we never have to "relearn" the software. It also gives us the flexibility to start and complete any job on short notice and short order. What a great find it was for us. I can't think of any software we have used that has given us more benefit for the dollar than FieldWorker Pro.

The only FieldWorker product that we think might be more effective than FieldWorker Pro, is their customer service. Any time we call FieldWorker for anything everyone jumps into action. It seems that meeting our need is always the most important task at FieldWorker...example of truly uncommon customer service that is the everyday norm at FieldWorker Products, Ltd. and proves how well they know that their customers are their most important asset."

Marc Simcox, Systems Analyst, Hennepin County Department of Public Works
Minnesota



Technical specifications and compatibility

Java based application: Runs on any device running Windows 95/98/NT/2000, Windows CE 2.0 or higher, Pocket PC, EPOC32 or pure Java Operating system.

14 different field types supported, including: pick lists, timestamps, checkboxes, number sliders, and formulas.

Supports Multiple Serial devices including: barcode, weighing, spraying and a variety of other devices

Supports any GPS receiver that outputs in NMEA format

Output in ASCII, Shape, XML* and several CAD* formats (*under development)

Full data synchronization supported to any ODBC, SQL compliant Database.

Supports data synchronization products; Oracle Web to Go, Informix Cloudscape, IBM DB2 Anywhere and PointBase as well as standard Flat ASCII file transfer.



Individual Licences (price break) :

1 to 5 units

6 to 50 units

51 to 99 units

100 + units

How to buy:

Orders can be placed with Company Purchase order, Visa, Mastercard, or Amex. Quantity price breaks available.

Phone (888) 883-1902, ext. 2, or (905) 880-9395. Sales@FieldWorker.com